

Addition and Subtraction of Complex Numbers WS

Simplify.

| | |
|---|--|
| 1) $(13 + 7i) + (4 + 9i)$ | 2) $(11 + 5i) + (5 - 14i)$ |
| 3) $(7 - 4i) + (6 + 11i)$ | 4) $(19 + 8i) - (5 + 17i)$ |
| 5) $(14 - 9i) - (8 + 3i)$ | 6) $(7 - 9i) - (12 - 5i)$ |
| 7) $(11 + \sqrt{-144}) + (6 + \sqrt{-49})$ | 8) $(7 - \sqrt{-9}) + (4 + \sqrt{-16})$ |
| 9) $(5 + \sqrt{-121}) - (9 + \sqrt{-64})$ | 10) $(9 - \sqrt{-81}) - (13 + \sqrt{-36})$ |
| 11) $(8 + \sqrt{-27}) + (5 + \sqrt{-48})$ | 12) $(6 + \sqrt{-45}) + (5 - \sqrt{-20})$ |
| 13) $(11 - \sqrt{-50}) + (5 - \sqrt{-72})$ | 14) $(5 + \sqrt{-54}) - (4 + \sqrt{-150})$ |
| 15) $(4 - \sqrt{-108}) - (-8 + \sqrt{-75})$ | 16) $(7 - \sqrt{-32}) - (15 - \sqrt{-98})$ |
| 17) $ 6 + 3i $ | 18) $ 4 - 2i $ |

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Simplify.

| | |
|--|---|
| 1) $(5 + 9i) + (7 + 2i)$ | 2) $(11 + 4i) + (5 - 8i)$ |
| 3) $(7 - 12i) + (4 + 5i)$ | 4) $(12 + 5i) - (9 + 11i)$ |
| 5) $(14 - 9i) - (7 + 2i)$ | 6) $(6 - 11i) - (13 - 8i)$ |
| 7) $(7 + \sqrt{-36}) + (2 + \sqrt{-81})$ | 8) $(15 + \sqrt{-16}) - (7 + \sqrt{-49})$ |
| 9) $(11 - \sqrt{-25}) + (5 + \sqrt{-64})$ | 10) $(17 - \sqrt{-144}) - (9 + \sqrt{-9})$ |
| 11) $(7 + \sqrt{-27}) + (5 + \sqrt{-75})$ | 12) $(11 + \sqrt{-32}) + (2 + \sqrt{-72})$ |
| 13) $(8 - \sqrt{-80}) + (9 - \sqrt{-45})$ | 14) $(15 + \sqrt{-63}) - (7 + \sqrt{-28})$ |
| 15) $(13 - \sqrt{-50}) - (4 + \sqrt{-18})$ | 16) $(7 - \sqrt{-48}) - (12 - \sqrt{-108})$ |
| 17) $ 6 + 2i $ | 18) $ 4 - 3i $ |

Addition and Subtraction of Complex Numbers WS

Simplify.

| | |
|--|--|
| 1) $(8 + 3i) + (5 + 6i)$ | 2) $(9 + 7i) + (2 - 11i)$ |
| 3) $(9 - 5i) + (2 + 9i)$ | 4) $(15 + 7i) - (6 + 13i)$ |
| 5) $(12 - 5i) - (4 + 7i)$ | 6) $(4 - 7i) - (9 - 4i)$ |
| 7) $(9 + \sqrt{-49}) + (5 + \sqrt{-16})$ | 8) $(6 - \sqrt{-81}) + (8 + \sqrt{-4})$ |
| 9) $(11 + \sqrt{-100}) - (2 + \sqrt{-25})$ | 10) $(13 - \sqrt{-196}) - (7 + \sqrt{-9})$ |
| 11) $(9 + \sqrt{-72}) + (2 + \sqrt{-50})$ | 12) $(17 + \sqrt{-48}) + (7 - \sqrt{-27})$ |
| 13) $(7 - \sqrt{-20}) + (4 - \sqrt{-125})$ | 14) $(12 + \sqrt{-96}) - (9 + \sqrt{-24})$ |
| 15) $(7 - \sqrt{-98}) - (11 + \sqrt{-18})$ | 16) $(9 - \sqrt{-12}) - (17 - \sqrt{-75})$ |
| 17) $ 9 + 3i $ | 18) $ 4 - 6i $ |